PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of	Docket No: A7544
Jörg HENKEL, et al.	
Appln. No.: 09/489,895	Group Art Unit: 2123
Confirmation No.: 6422	Examiner: Dwin M. CRAIG
Filed: January 24, 2000	

For: METHOD FOR CORE-BASED SYSTEM-LEVEL POWER MODELING USING OBJECT-ORIENTED TECHNIQUES

STATEMENT OF SUBSTANCE OF INTERVIEW

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Please review and enter the following remarks summarizing the interview conducted on August 25, 2004:

REMARKS

An Examiner's Interview Summary Record (PTO-413) was mailed on September 1, 2004.

During the interview, the following was discussed:

1.   **Brief description of exhibits or demonstration:** None

2.   **Identification of claims discussed:** The interview primarily centered upon Claim 1, although the potential amendments to claim 1 were applicable to the other independent claims.

3.   **Identification of art discussed:** U.S. Patent No. 6,096,089 issued to Kageshima *et al.* and U.S. Patent No. 6,622,287 to Henkel *et al.*

4. **Identification of principal proposed amendments:** The Examiner suggested that the independent claims be amended to more clearly describe the data dependency of an instruction or the correlation between instructions, and how that affects an instruction's energy simulation data. Applicant's undersigned representative agreed to review the Examiner's suggestions to determine if the claim language requires additional amendment to improve clarity.

5. **Brief Identification of principal arguments:** With respect to the double patenting rejection over U.S. Patent No. 6,622,287, Applicant's undersigned representative pointed out that U.S. Patent No. 6,622,287 does not disclose creating a refined instruction set derived from captured gate-level energy simulation data.

With respect to the art-based rejections, Applicant's undersigned representative pointed out that claim 1 recites the creation of an instruction set that models captured gate-level simulation date for a core model. An instruction set (*e.g.*, read_buff, write_buff, reset, transmit_data, etc.) is created for the core model and these instructions can be used by a higher-level simulation (individually or collectively) to model the energy consumption for a particular operation involving one or more instructions. Applicant's undersigned representative noted that at least U.S. Patent No. 6,096,089 fails to teach or suggest this feature of the claimed invention.

6. **Indication of other pertinent matters discussed:** The Examiner suggested adding new claims directed to changing the parameters of the claimed core model's instruction set.

7. **Results of Interview:** Applicant's undersigned representative agreed to review

the independent claims and determine how to amend the independent claims to in light of the

Examiner's suggestions upon receipt of the next communication from the Patent Office.

It is respectfully submitted that the instant STATEMENT OF SUBSTANCE OF

INTERVIEW complies with the requirements of 37 C.F.R. §§1.2 and 1.133 and MPEP §713.04.

It is believed that no petition or fee is required. However, if the USPTO deems

otherwise, Applicant hereby petitions for any extension of time which may be required to

maintain the pendency of this case, and any required fee, except for the Issue Fee, for such

extension is to be charged to Deposit Account No. 19-4880.

Respectfully submitted,

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Date: September 28, 2004

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